

# SHEL LAB LIFE SCIENCE PRODUCTS

Sheldon Manufacturing, Inc.®



CO<sub>2</sub> Incubators, Shaking Incubators, Water Baths, Lab Incubators, Refrigerated Incubators, Large Capacity Incubators

Sheldon Manufacturing, Inc. Life Science Brochure

Constant thinking.



A Product of  
SHELDON MFG. INC.

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Sheldon Manufacturing, Inc.



Sheldon Manufacturing’s SHEL LAB Life Science Products have been evolving for forty years.

The SHEL LAB line of Temperature and Environmental Control Equipment addresses a broad scope of Research, Industrial, and Clinical Laboratories and are as innovative as the industries that use them.

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Constant Thinking. Constant Thinking. Constant Thinking.

# General Purpose Incubator

General Purpose, Large Capacity, and Refrigerated



## General Purpose Incubators

Large Capacity Models: RI28 | RI40



Large Capacity RI28

### Optimized Floor Space

- Reach-In and Extra Large
- Horizontal Air Flow
- Four (4) Interior Electrical Outlets
- Prewired Panel for Chart Recorder
- Tempered Glass Viewing Window

Models RI28 and RI40 incubators provide 31 & 40 cu.ft. chamber capacities while minimizing the amount of floor space used. Both models incorporate our microprocessor controller to achieve precise temperature uniformity. A totally independent secondary temperature controller offers the added security of overtemperature protection. The chamber floors are reinforced to support roller apparatus or shakers. Both models are supplied with six (6) shelves capable of supporting the weight of benchtop instruments.

### Horizontal Airflow



The SHEL LAB Air Jacket design and heated outer door allows for uniform heat throughout our incubators.

		Model Number	
Large Capacity/ Reach-In General Purpose Incubators	110-120V	RI28	RI40
	220-230V	RI8-2	RI40-2
	Details	Large Capacity	Large Capacity
Exterior Dimensions (wxdxh)	Inches	38.5 x 33 x 75	41 x 34 x 87
	cm	98 x 83 x 191	104 x 86 x 221
Chamber Dimensions (wxdxh)	Inches	33 x 26 x 64	35 x 26 x 76
	cm	84 x 66 x 163	89 x 66 x 193
Chamber Capacity	cu ft	31	40.0
	L	899.8	1133.3
Temperature Range	Celsius	Ambient +8 to 70°C	Ambient +8 to 70°C
Temperature Uniformity	Celsius	+/-0.8°C at 37°C	+/-0.8°C at 37°C
Over Temperature Protection	Yes/No	Yes	Yes
Temperature Alarm	Yes/No	Yes	Yes
Interior Outlet	Number	Four	Four
Access Port	Number	One	One
For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, <a href="http://www.shellab.com">www.shellab.com</a>			

# General Purpose Incubators

General Purpose Models: GI2 | GI6 | GI7 | GI11 | GI12

## Precise Temperature Control - Superior Uniformity

- Microprocessor Control
- Interior Glass Door with Radius Corner
- Unique Warm Air-Jacket Design
- Heated Outer Door
- Interior Electrical Outlet
- Access Port
- Seam Welded Panels & Doors
- 12 Month Warranty

Five strategically placed heating elements, including one in the heated outer door, deliver superior temperature uniformity in SHEL LAB general purpose Laboratory Incubators. The unique SHEL LAB air-jacket design eliminates hot spots.

Our microprocessor controller achieves exceptional temperature control with no overshoot. Setpoint and actual chamber temperature are digitally displayed. Temperature calibration is easily performed with the touch pad control. A totally independent, secondary controller provides the added safety and security of over-temperature protection.

Interior Electrical Outlet



Throughwall Access Port



General Purpose GI6



General Purpose GI11



Adjustable, No Tip Shelf Design

General Purpose Laboratory Incubators, Bench Top, Under Counter & Stackable	Model Number					
	110-120V	GI2	GI6	GI7	GI11	GI12
	220-230V	GI2-2	GI6-2	GI7-2	GI11-2	GI12-2
	Details	Bench Top	Floor Model	Under Counter	Double Doors	Dual/Stacked
Exterior Dimensions (wxdxh)	Inches	21 x 21 x 26	34 x 33 x 77	30 x 30 x 32	42 x 27 x 37	34 x 33 x 77
	cm	54 x 54 x 66	86 x 85 x 195	76 x 77 x 81	107 x 69 x 94	86 x 85 x 195
Chamber Dimensions (wxdxh)	Inches	15 x 14.5 x 15	27 x 24 x 26	24 x 24 x 20	36 x 20 x 27	20 x 20 x 26 each
	cm	38 x 37 x 38	49.5 x 51 x 66	61 x 61 x 51	91 x 51 x 69	51 x 51 x 66 each
Incubator Chamber Capacity	cu ft	1.9	6	6.7	11.3	12
	L	54	166	189	319	332
Temperature Range	Celsius	Ambient +8 to 70°C	Ambient +8 to 70°C	Ambient +8 to 70°C	Ambient +8 to 70°C	Ambient +8 to 70°C
Temperature Uniformity	Celsius	+/-0.35°C at 37°C	+/-0.35°C at 37°C	+/-0.35°C at 37°C	+/-0.35°C at 37°C	+/-0.35°C at 37°C
Over Temperature Protection	Yes/No	Yes	Yes	Yes	Yes	Yes
Temperature Alarm	Yes/No	Yes	Yes	Yes	Yes	Yes
Interior Outlet	Number	One	One	One	One	One
Access Port	Yes/No	Yes	Yes	Yes	Yes	Yes
Number of Shelves	Supplied	2	3	2	6	3 (per chamber)
	Maximum	6	12	9	12	12 (per chamber)

For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, [www.shellab.com](http://www.shellab.com)



# Refrigerated Incubators

Refrigerated Models: LI5 | LI15 | LI20 | LI27

Refrigerated Incubators are ideal for testing B.O.D. of sewage and wastewater, as well as other low temperature and room temperature applications.

- Microprocessor Control
- Fan Assisted/Forced-Air Circulation
- LED Display of Setpoint and Chamber Temperature
- High and Low Limit Thermostats
- Interior Electrical Outlet

Units are equipped with a hermetically-sealed compressor, a circuit breaker to protect from electrical overload, and an easy-to-clean, fully insulated chamber. Gentle, continuous forced-air circulation ensures temperature uniformity and reproducible test conditions.

## Refrigerated Incubator LI27

## Diurnal Chamber LI15



## BOD Incubator LI5

### Model Number

Refrigerated Incubators	110-120V	LI5	LI20	LI27	LI15 Diurnal Plant Chamber
	220-230V	LI5-2	LI20-2	LI27-2	LI15-2 Diurnal Plant Chamber
	Details	Under Counter	Large Capacity	Large Capacity	Diurnal Chamber
Exterior Dimensions (wxdxh)	Inches	24 x 22 x 33	34 x 33 x 77	37 x 41 x 78	34 x 33 x 77
	cm	61 x 56 x 84	86 x 85 x 195	94 x 104 x 198	86 x 85 x 195
Chamber Dimensions (wxdxh)	Inches	16 x 14 x 25	27 x 24 x 58	30 x 29 x 54	27 x 24 x 58
	cm	41 x 36 x 63.5	69 x 60 x 146	76 x 74 x 137	69 x 60 x 146
Incubator Chamber Capacity	cu ft	3.2	21	27	15.5
	L	92	603	764	438
Temperature Range	Celsius	-10°C to 45°C (at 20°C ambient)	-10°C to 40°C (at 20°C ambient)	5°C to 45°C (at 20°C ambient)	-10°C to 45°C (at 20°C ambient)
Temperature Uniformity	Celsius	+/-0.5°C at 20°C	+/-0.5°C at 20°C	+/-0.5°C at 20°C	+/-0.5°C at 20°C
Over Temperature Protection	Yes/No	Yes	Yes	Yes	Yes
Temperature Alarm	Yes/No	No	No	No	No
Interior Outlet	Number	110V - 1 / 220V - 2	110V - 1 / 220V - 2	110V - 1 / 220V - 2	110V - 1 / 220V - 2
Number of Shelves	Included	2	4	6	4
Bottle Capacity	Number	62	345	540	317

For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, [www.shellab.com](http://www.shellab.com)

## Do you need a Drosophila Specific Refrigerated Incubator?

Contact us about our LIFLY Superfly Incubator that functions within the range of temperatures preferred by fruit flies.

# SHEL LAB CO<sub>2</sub> Incubators

## The Complete Line



### Large Capacity CO<sub>2</sub> Incubators

Models: 2428 | 2440 | 2460

Sheldon Manufacturing offers the most expansive equipment line of Large Capacity, Reach-In CO<sub>2</sub> Incubators with the SHEL LAB 32, 40, and 60 cubic feet chamber models. These are all available with or without interior electrical outlets (without optional).

These Large Capacity models offer excellent temperature uniformity, stability and all have Infrared (IR) CO<sub>2</sub> sensors that provide superb CO<sub>2</sub> recovery.

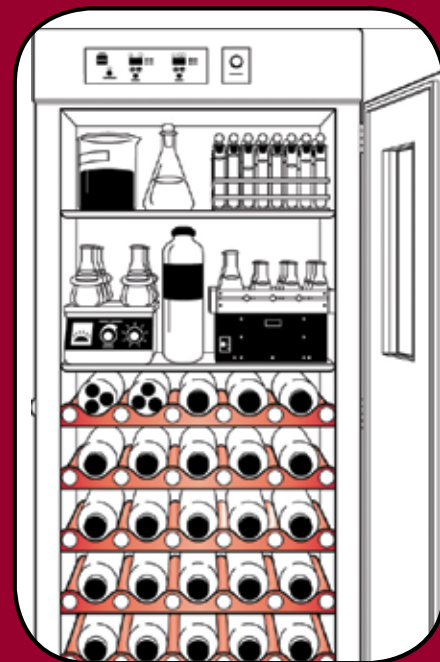
**The IR sensor has a seven-year, limited warranty.**

While the SHEL LAB 2428, 2440, and 2460 CO<sub>2</sub> Incubators are ideal for roller bottle apparatus applications, they can also be used for other high volume tissue culture and microbiology applications.



Air Jacketed Incubator 2440

- Maximum chamber capacity without consuming excessive floor space.
- Unique air flow design to optimize temperature and CO<sub>2</sub> uniformity.
- Large viewing window with option for dual windows or solid door.



Ideal for use with Roller Bottle Apparatus

# Air Jacketed CO<sub>2</sub> Incubators

Models: 5215

## Fast and Easy Set-up

This slim, lightweight incubator can be easily repositioned to reduce downtime and is well-suited for multiple users.

## Effective Contamination Fighters

Three temperature control settings (main chamber, external door, and front liner) minimize condensation and facilitate superior temperature uniformity. This fine tuning capability allows you to accurately select temperature settings, providing stable and optimal culturing conditions. Additionally, the heated CO<sub>2</sub> inlet port reduces potential for condensation which could promote contamination within or around the inlet port. Our unique HEPA filtration system removes 99.97% of all airborne microbes and isolated particulates 0.3 microns or larger.



Single and Dual Stacked, Water Jacket, CO <sub>2</sub> Incubators, Infrared (IR) CO <sub>2</sub> Sensor	Model Number				
	110-120V	2428	2440	2460	5215
	220-230V	2428-2	2440-2	2460-2	5215-2
	Details	Large Capacity	Large Capacity	Large Capacity	Standard
Exterior Dimensions (wxdxh)	Inches	39 x 33 x 75	41 x 34 x 87	49 x 41 x 79	27 x 28 x 38
	cm	100 x 83 x 191	104 x 86 x 221	125 x 104 x 201	69 x 71 x 95
Chamber Dimensions (wxdxh)	Inches	33 x 27 x 63	35 x 26 x 76.5	43 x 35 x 68	21 x 20 x 24 each
	cm	84 x 67 x 161	89 x 66 x 194	109 x 89 x 173	52 x 50 x 61 each
Incubator Chamber Capacity	cu ft	32	40	60	5.6
	L	898	1141	1677	159
CO <sub>2</sub> Range	%	0-20%	0-20%	0-20%	0-20%
CO <sub>2</sub> Sensor Accuracy	at 5%	+/-0.1%	+/-0.1%	+/-0.1%	+/-0.1% @ 5%
CO <sub>2</sub> Recovery Rate	to 5%	<5 minutes	<5 minutes	<5 minutes	<5 minutes
Relative Humidity	at 37°C	to 80%	to 80%	to 80%	95%
Temperature Range	Celsius	Ambient +8°C to 60°C	Ambient +8°C to 60°C	Ambient +8°C to 60°C	Ambient +8°C to 60°C
Temperature Uniformity	Celsius	+/-0.5°C (at 37°C)	+/-0.5°C (at 37°C)	+/-0.5°C (at 37°C)	+/-0.35°C (at 37°C)
Over Temperature Protection	Yes/No	Yes	Yes	Yes	Yes
Temperature Alarm	Yes/No	Yes	Yes	Yes	Yes
CO <sub>2</sub> Alarm	Yes/No	Yes	Yes	Yes	Yes
Interior Outlet	Number	4	4	4	NA
Number of Shelves	Included	6	6	6	3

For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, [www.shellab.com](http://www.shellab.com)



convenient  
keyhole design



fully adjustable  
shelf slides



coved corners  
for easy cleaning



unique design keeps  
shelf from tipping

## 3500 Series Water Jacket CO<sub>2</sub> Incubators

Models: 3503/Benchtop | 2406, 3517/Floor Model | 3524/Dual Stacked

### SHEL LAB CO<sub>2</sub> Incubator Limited Warranty

- 5 Year Parts (Labor Included in the US)
- 7 Year IR Sensor
- Lifetime Water Jacket Chamber

HEPA Filter with “Bacteriostatic” copper cage to trap particulate matter and reduce potential for chamber contamination.

### Infrared (IR) CO<sub>2</sub> Sensors

For the fastest CO<sub>2</sub> recovery and most stable performance, this series features IR sensors.

IR

HEPA

Anti-Corrosion Anode

3517



3503



3524



2406

Model 2406  
is the BASIC  
Low Cost CO<sub>2</sub>  
Incubator  
Alternative

Single and Dual Stacked,  
Water Jacket, CO<sub>2</sub>  
Incubators, Infrared (IR)  
CO<sub>2</sub> Sensor

Model Number

110-120V

2406

3503

3517

3524

220-230V

2406-2

3503-2

3517-2

3524-2

Details

Economy

Bench Top

Floor Model

Dual/Stacked Chambers

Exterior Dimensions (wxdxh)	Inches	26 x 26.5 x 39	21 x 23 x 27	26 x 26.5 x 39	26 x 26.5 x 78
	cm	66 x 67 x 99	53 x 58 x 69	66 x 67 x 99	66 x 67 x 198
Chamber Dimensions (wxdxh)	Inches	20.5 x 20 x 25.5	16 x 16 x 13	20.5 x 20 x 25.5	20.5 x 20 x 25.5 each
	cm	52 x 51 x 65	40 x 40 x 32	52 x 51 x 65	52 x 51 x 65 each
Incubator Chamber Capacity	cu ft	6	1.8	6	12 (6 each)
	L	171	51	171	342
CO <sub>2</sub> Range	%	0-20%	0-20%	0-20%	0-20%
CO <sub>2</sub> Sensory Accuracy	at 5%	+/-0.1%	+/-0.1%	+/-0.1%	+/-0.1% @ 5%
CO <sub>2</sub> Recovery Rate	to 5%	<5 minutes	<5 minutes	<5 minutes	<5 minutes
Relative Humidity	at 37°C	to 80%	95%	95%	95%
Temperature Range	Celsius	Ambient +8 to 60°C	Ambient +8 to 60°C	Ambient +8°C to 60°C	Ambient +8°C to 60°C
Temperature Uniformity	Celsius	+/-0.35°C at 37°C	+/-0.35°C at 37°C	+/-0.35°C (at 37°C)	+/-0.35°C (at 37°C)
Over Temperature Protection	Yes/No	Yes	Yes	Yes	Yes
Temperature Alarm	Yes/No	Yes	Yes	Yes	Yes
CO <sub>2</sub> Alarm	Yes/No	Yes	Yes	Yes	Yes
Number of Shelves	Included	3	3	3	3

For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, [www.shellab.com](http://www.shellab.com).

Visit the SHEL LAB  
Video Learning  
Center at  
[www.shellab.com](http://www.shellab.com)  
and view our CO<sub>2</sub>  
instructional video!



# High Heat Decontamination CO<sub>2</sub> Incubators

## Models: 3552

The model 3552 is the newest addition to the SHEL LAB 3500 series CO<sub>2</sub> incubator range. Featuring a dry heat decontamination cycle, the model 3552 has the ability to maintain 180°C for 120 minutes. This time/temperature relationship satisfies all global standards for decontamination.

Another important and unique feature is that it is not necessary to remove the IR CO<sub>2</sub> sensor prior to activating the decontamination process. This is a more user friendly approach and eliminates potential damage to the sensitive IR sensor. This is decontamination at its easiest and most effective.

Other features include a USB interface for software communication and a pre-heated copper CO<sub>2</sub> gas inlet. This exclusive feature prevents condensation and reduces potential sites for contamination to form. Precise temperature control is achieved via an advanced microprocessor. An independent over-temperature safety controller is also integral to the design.



Incubators, Infrared (IR) CO <sub>2</sub> Sensor	Model Number	
	110-120V	3552
	220-230V	3552-2
High Heat Decontamination		
Exterior Dimensions (wxdxh)	Inches	27 x 28 x 38
	cm	69 x 71 x 95
Chamber Dimensions (wxdxh)	Inches	21 x 20 x 24
	cm	52 x 50 x 61
Incubator Chamber Capacity	cu ft	5.6
	L	159
CO <sub>2</sub> Range	%	0-20%
CO <sub>2</sub> Sensor Accuracy	at 5%	+/-0.1%
CO <sub>2</sub> Recovery Rate	to 5%	<5 Minutes
Relative Humidity	at 37°C	95%
Temperature Range	Celsius	Ambient +8°C to 50°C
Temperature Uniformity	Celsius	+/- 0.35°C at 37°C
Over Temperature Protection	Yes/No	Yes
Temperature Alarm	Yes/No	Yes
CO <sub>2</sub> Alarm	Yes/No	Yes
Number of Shelves	Included	3

## SHEL LAB 3552 Features

- Dry Heat Decontamination at 180°C for 120 minutes.
- Pre-heated Copper CO<sub>2</sub> Gas Inlet for Increased Temperature Uniformity
- No Handling of the IR Sensor
- Extensive Warranty

	5 Year Limited Warranty	IR Sensor Guarantee	Water Jacket Guarantee	1 Year Limited Warranty
3503 3503-2	yes	yes	yes	
3517 3517-2	yes	yes	yes	
3524 3524-2	yes	yes	yes	
3552 3552-2	yes	yes		
5215 5215-2	yes	yes		
2428 2428-2		yes		yes
2440 2440-2		yes		yes
2460 2460-2		yes		yes
2406 2406-2	yes	yes	yes	

For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, [www.shellab.com](http://www.shellab.com)

(International Warranty Varies)

# Digital Water Baths

Digital, Specialty, and High Temperature Baths



## Laboratory Water Baths

Digital Water Baths: W2M | W6M | W14M | W20M | W614M

- Easy-to-Clean Stainless Steel Tank
- Pocket Handles for Easy Lifting
- Recessed Heating Element Prevents "Burnout"
- Unique SHEL LAB Design Eliminates "Hot Spots"

The SHEL LAB high-performance water baths are accurate, easy to use, safe and durable. The water bath design incorporates the attractive SHEL LAB appearance, a drip free cover holster, and pocket handles so users can easily transport the water bath. A microprocessor achieves precise temperature control regardless of how the unit is loaded. Calibration is performed with the convenient, front panel touch pad.



Digital Water Bath W614M

Dual Chamber Water Bath	Model Number	
	110-120V	W614M
	220-230V	W614M-2
Exterior Dimensions (wxdxh)	Inches	25 x 14 x 9
	cm	64 x 36 x 22
		Chamber/Tank 1    Chamber/Tank 2
Bath Chamber Dimensions (wxdxh)	Inches	12 x 6 x 6    13 x 14 x 6
	cm	31 x 15 x 15    32 x 36 x 15
Tank Capacity	L	6    14
Temperature Range	Celsius	Ambient +5 to 80°C
Temperature Uniformity	Celsius	+/-0.2° at 37°C
Over Temperature Protection	Yes/No	Yes
Stainless Steel Gabel Cover(s)	Yes/No	Yes - Two (2) Included

For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, [www.shellab.com](http://www.shellab.com)



General Purpose Water Baths	Model Number				
	110-120V	W2M	W6M	W14M	W20M
	220-230V	W2M-2	W6M-2	W14M-2	W20M-2
	Chambers	Single (1)	Single (1)	Single (1)	Single (1)
Exterior Dimensions (wxdxh)	Inches	15 x 12 x 6	15 x 12 x 9	15 x 19 x 9	15 x 25 x 9
	cm	38 x 29 x 14	38 x 31 x 22	37 x 47 x 22	37 x 64 x 22
Bath Chamber Dimensions (wxdxh)	Inches	12 x 6 x 3	12 x 6 x 6	13 x 14 x 6	13 x 20 x 6
	cm	29 x 15 x 6	31 x 15 x 15	32 x 36 x 15	32 x 50 x 15
Tank Capacity	L	2	6L	14	18
Temperature Range	Celsius	Ambient +5 to 80°C	Ambient +5 to 80°C	Ambient +5 to 80°C	Ambient +5 to 80°C
Temperature Uniformity	Celsius	+/-0.2°C at 37°C	+/-0.2° at 37°C	+/-0.2° at 37°C	+/-0.2° at 37°C
Over Temperature Protection	Yes/No	Yes	Yes	Yes	Yes
Stainless Steel Gabel Cover(s)	Yes/No	Yes - One Included	Yes - One Included	Yes - One Included	Yes - One Included

For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, [www.shellab.com](http://www.shellab.com)

SHEL LAB DIGITAL WATER BATHS ARE DURABLE AND DEPENDABLE. FIVE DIFFERENT MODELS ARE AVAILABLE, EACH WITH A VARIETY OF SAFETY AND CONVENIENCE FEATURES.

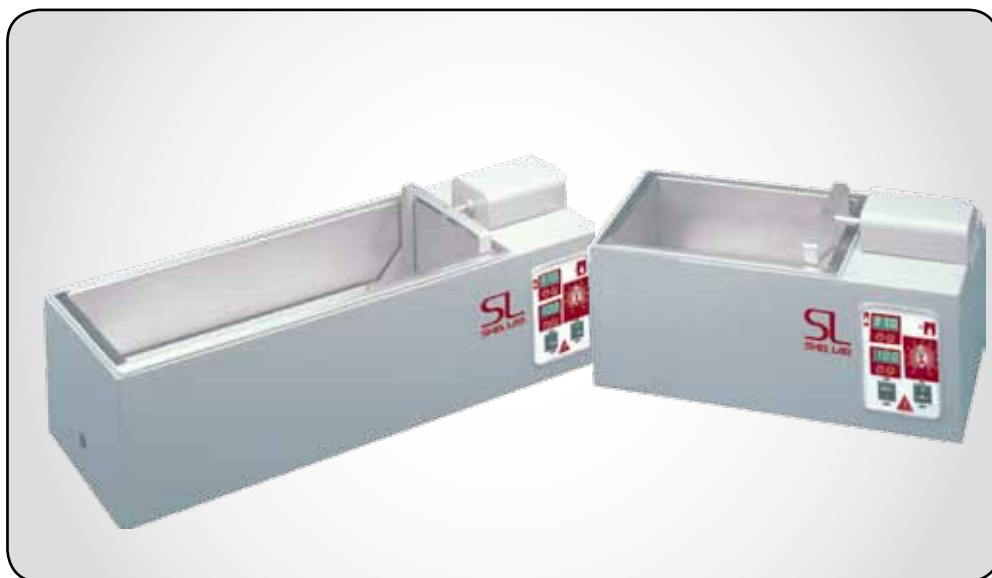
# Laboratory Water Baths

## Reciprocating Water Baths: WS17 | WS27

- Cover Included
- Microprocessor Controls
- Independent Oscillation and Temperature Controls
- Adjustable Stroke Length for Robust or Mild Agitation Capabilities

The Reciprocating Water Baths deliver precise temperature control and a smooth, reciprocal shaking motion. The independent over-temperature safety offers backup protection should the main controller fail. Easy-to-read LED's display temperature and oscillation speed. An independent oscillator control allows the bath to also be used for regular constant temperature water bath applications.

The stroke length can be easily adjusted to three separate settings. This allows for various agitation speeds, ranging from mild to vigorous. The unique basket support system helps eliminate tank wear while fully supporting free action of a heavily loaded basket.



**Shaking Water Bath WS27 and WS17**



A UNIVERSAL PLATFORM TRAY IS INCLUDED WITH EACH WATER BATH. THE TRAY ELIMINATES "HOT SPOTS" AND ENSURES OPTIMUM TEMPERATURE UNIFORMITY.

Reciprocating Water Baths	Model Number		
	110-120V 220-230V	WS17	WS27
	Chambers	WS17-2 Single (1)	WS27-2 Single (1)
Exterior Dimensions (wxdxh)	Inches	14 x 25 x 13	14 x 40 x 13
	cm	36 x 63 x 32	36 x 102 x 32
Bath Chamber Dimensions (wxdxh)	Inches	12 x 15 x 8	12 x 27 x 8
	cm	31 x 37 x 19	31 x 69 x 19
Tank Capacity	L	16	27
Temperature Range	Celsius	Ambient +5 to 90°C	Ambient +5 to 90°C
Temperature Uniformity	Celsius	+/-0.2°C at 37°C	+/-0.2°C at 37°C
Over Temperature Protection	Yes/No	Yes	Yes
Stainless Steel Gabel Cover(s)	Yes/No	Yes - One Included	Yes - One Included

Number of flasks each model can accommodate		
25ml	24	48
50ml	24	48
125ml	24	48
250ml	12	24
500ml	6	12
1 liter	4	8
2 liter	2	4
2.8 liter	1	3
4 liter	1	2
5 liter	1	2
6 liter	1	2

\* Optional Erlenmeyer flask holders. Order separately.

For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, [www.shellab.com](http://www.shellab.com)

# Laboratory Water Baths

Specialty Water Baths: WPC65 | WPC85 | WPC95 | WHT6M | WHT14M | WHT20M

## High-Heat “Boiling” Water Baths — Circulating Water Baths — Deep Chamber Water Baths

SHEL LAB special-application water baths boast the same features as our other high-performance models, such as: being highly accurate, easy-to-use, rugged, and safe. SHEL LAB WPC water baths include polymer coating for quick cleaning. The specialty baths are:

### WPC65- Digital Circulating Water Bath

SHEL LAB digital circulating water baths are an excellent choice for research and quality control applications.

### WPC85-Fecal Coliform Incubation Circulating Bath

Our fecal coliform incubation circulating water bath meets APHA and EPA test specifications and is designed especially for fecal coliform testing and other applications where circulation provides extra temperature control.

### WPC95-Deep Chamber Water Bath

SHEL LAB deep chamber water bath is designed to accommodate large volumetric samples.

### WHT6/14/20M- High Temperature Water Bath

High temperature baths are designed to reach temperatures beyond what our other laboratory baths can reach. These baths are primarily used in DNA extraction applications.

## Specialty Water Baths

*Circulating*  
High Temperature  
**Dual Chamber**  
Fecal Coliform



WPC95

## High Temperature Bath WHT6M



FOR HIGH TEMPERATURE APPLICATIONS, LOOK TO SHEL LAB HIGH TEMPERATURE BOILING BATHS WHT6M, WHT14M, AND WHT20M. THESE BATHS ARE DESIGNED TO REACH 100°C.

\*Covers are not included for WPC65, WPC85, WPC95 and must be ordered separately

Specialty Water Baths, Circulating and Deep Chamber Models	Model Number						
	110-120V	WPC65	WPC85	WPC95	WHT6M	WHT14M	WHT20M
	220-230V	WPC65-2	WPC85-2	WPC95-2	WHT6M-2	WHT14M-2	WHT20M2
Details		Circulating		Deep Chamber	Single (1)	Single (1)	Single (1)
Exterior Dimensions (wxdxh)	Inches	14 x 29 x 10	16 x 24 x 16	16 x 19 x 16	15 x 12 x 9	15 x 19 x 9	15 x 25 x 9
	cm	36 x 72 x 24	41 x 61 x 39	41 x 47 x 39	38 x 31 x 22	38 x 47 x 22	38 x 64 x 22
Bath Chamber Dimensions (wxdxh)	Inches	12 x 20 x 6	12 x 14 x 12	12 x 14 x 12	12 x 6 x 6	12 x 14 x 6	13 x 20 x 6
	cm	29 x 50 x 15	31 x 36 x 31	31 x 36 x 31	31 x 15 x 15	32 x 37 x 15	32 x 50 x 15
Bath Tank Capacity	L	22	34	30	6	14	20
Temperature Range	Celsius	Ambient +5 to 80°C	Ambient +5 to 80°C	Ambient +5 to 80°C	Ambient +5 to 100°C	Ambient +5 to 100°C	Ambient +5 to 100°C
Temperature Uniformity	Celsius	+/-0.2°C at 37°C	+/-0.2° at 37°C	+/-0.2° at 37°C	+/-0.2° at 37°C	+/-0.2° at 37°C	+/-0.2° at 37°C
Over Temperature Protection	Yes/No	Yes	Yes	Yes	Yes	Yes	Yes
Stainless Steel Gabel Cover(s)	Yes/No	No - Sold Separate	No - Sold Separate	No - Sold Separate	Yes - 1 Included	Yes - 1 Included	Yes - 1 Included

For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, [www.shellab.com](http://www.shellab.com)



Unique cover directs condensation to run into the tank.



Pocket handles make baths easy to transfer.



Model 614M offers the versatility of dual tank configuration.



# Shaking Incubators

Benchtop, Floor Models, and Large Capacity



## Bench Top Shaking Incubator

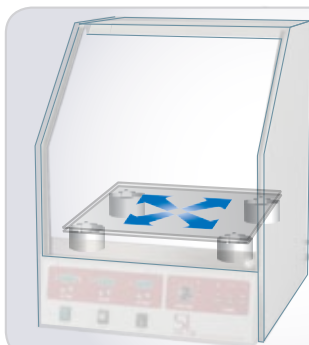
The Compact SI4

### Bench Model SI4 Compact and Durable

The SI4 has a transparent hood that lifts up via a hydraulic system, so it can function in tight places. All of our shaking incubators feature stainless steel interiors which provide excellent durability and an easy-to-clean surface. Each unit has an easy-to-read LED display. The rotation platform is included with each unit and is self-centering for easy installation.

The SI4 features a small footprint and slim hood design to maximize space and functionality.

- Small footprint accommodates tight bench space
- Transparent hood for clear visibility
- Robust, temperature resistant hydraulic piston opens the hood with ease and reliability
- 0.75" stroke length



All models use four load bearing delron supports at each corner to reduce the stress on the drive shaft.



**Bench Top SI4**

### Shaking Incubator Flask Clamp Capacity

Description	Part Number	Size	SI4-SI6	SI9
Flask Clamp	9530528	25 ml	50	107
Flask Clamp	9530529	50 ml	50	107
Flask Clamp	9530530	125 ml	25	53
Flask Clamp	9530531	250 ml	25	35
Flask Clamp	9530526	500 ml	10	23
Flask Clamp	9530532	1000 ml	6	19
Flask Clamp	9530551	2000 ml	4	12
Flask Clamp	9530554	4 liter	4	10
Flask Clamp	9530555	6 liter	2	6
Fernbach Style	9530553	2.8 liter	2	6

\*Not to exceed maximum weight capacity

### Shaking Incubator Test Tube Rack Capacity

Description	Part Number	Size	SI4-SI6	SI9
Test Tube Shaking Rack	9751177 (100 Max)	10-13 mm	3	7
Test Tube Shaking Rack	9751178 (80 Max)	14-16 mm	3	7
Test Tube Shaking Rack	9751179 (60 Max)	18-20 mm	3	7
Test Tube Shaking Rack	9751180 (36 Max)	22-25 mm	3	7
Test Tube Shaking Rack	9751181 (29 Max)	50 mm	3	7

\*Not to exceed maximum weight capacity

# Floor Model Shaking Incubator

Volume, Flexibility, Reliability SI6 | SI6R | SI6R-HS

## SI6 and SI6R Versatile and Robust

The SI6 and SI6R have a one inch hermetically sealed double-paned glass viewing window. The SI6R refrigerates via a 1/6-horsepower motorized compressor (produced without CFC's/HCFC's). A through wall access port is standard on the SI6 models.

- Platform included.
- Stackable feature creates additional capacity without losing lab floor space.
- Counter-balance weighting system is adjustable for maximum load flexibility.
- Adjustable orbit (0.5", 0.75", 1.0") allows vigorous or gentle shaking to accommodate a wide range of cell applications.
- Access port included for recording and monitoring accessories.
- Fluorescent light in unit provides clear visibility of large chamber interior.
- Two stainless steel shelves included.



Does your application require a higher RPM?  
The NEW SI6R-HS achieves speeds of 850 RPMs.

Bench Top and Floor Model Orbital-Shaking Incubators	Model Number				
	110-120V 220-230V	SI4 SI4-2	SI6 SI6-2	SI6R SI6R-2	SI6RHS SI6RHS-2
	Details	Bench Top	Floor	Floor Refrigerated	High RPM/Refrigerated
Exterior Dimensions (wxdxh)	Inches	22 x 24 x 28	28 x 27 x 41	28 x 27 x 41	28 x 27 x 41
	cm	55 x 61 x 71	71 x 69 x 103	71 x 69 x 103	71 x 69 x 103
Chamber Dimensions (wxdxh)	Inches	19 x 19 x 17	19 x 20 x 23	19 x 20 x 23	19 x 20 x 23
	cm	49 x 49 x 43	49 x 50 x 57	49 x 50 x 57	49 x 50 x 57
Incubator Chamber Capacity	cu ft	3.6	5	5	5
	L	103	140	140	140
Platform Dimensions	Inches	17 x 18 x .75	17 x 18 x .75	17 x 18 x .75	17 x 18 x .75
	cm	44 x 45 x 2	43 x 45 x 2	43 x 45 x 2	43 x 45 x 2
Temperature Range	Celsius	8°C + Ambient to 60°C	8°C + Ambient to 60°C	Ambient -20°C to 60°C	Ambient -20°C to 60°C
Temperature Uniformity	Celsius	+/-0.5°C at 37°C	+/-0.8°C at 37°C	+/-0.8°C at 37°C	+/-0.8°C at 37°C
Platform Weight Capacity	lbs (kg)	18 (8.2)	22 (10)	22 (10)	22 (10)
Orbital-Shaking Range	RPM	30-400	30-400	30-400	30-850
Timer Functionality	Minutes	1-999	1-999	1-999	1-999
Over Temperature Protections	Yes/No	Yes	Yes	Yes	Yes
Temperature Alarm	Yes/No	Yes	Yes	Yes	Yes
Orbital-Shaking Speed Alarm	Yes/No	Yes	Yes	Yes	Yes
Number of Shelves	Included	0	2	2	2

For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, [www.shellab.com](http://www.shellab.com)

# Large Capacity Shaking Incubator

SI9 | SI9R

- Stackable for Additional Capacity Without Losing Lab Floor Space
- Interior Light for Improved Visibility
- Unit Comes with Shaking Platform
- Easy to Lift Hydraulic Doors
- Safety Features and Alarms Throughout
- Exclusive SHEL LAB Horizontal Air Flow Design for Superior Uniformity

The SHEL LAB SI9 delivers all the features you appreciate in the SHEL LAB Shaking Incubators, with even greater load capacity. The unit performs from 30-400 RPM's with a smooth quiet oscillation. The door of the SI9 is designed with hydraulic pistons making it easy to lift during loading and unloading.

These state of the art orbital shaking incubators feature a universal shaker platform, which accommodates a wide range of flask clamps, test tube racks and micro titer plate clamps. To support the loads over many years of use, four load-bearing positions are incorporated for optimal weight distribution. For maximum load flexibility, the unique counter-balanced weighting system is adjustable to accommodate off-center loads and varying capacities.



SI9 | SI9R

## SI9 | SI9-R Stacking Stands

Description	Part Number	Size
Stacking Stands	SI9-12stand	12"
	SI9-24stand	24"



Large Capacity Orbital Shaking Incubators	Model Number		
	110-120V 220-230V	SI9 SI9-2	SI9R SI9R-2
	Details	Standard	Refrigerated
Exterior Dimensions (wxdxh)	Inches	55 x 30 x 33	55 x 30 x 33
	cm	140 x 77 x 85	140 x 77 x 85
Chamber Dimensions (wxdxh)	Inches	36 x 26 x 18	36 x 26 x 18
	cm	90 x 65 x 45	90 x 65 x 45
Incubator Chamber Capacity	cu ft	9	9
	L	264	264
Platform Dimensions	Inches	32 x 22 x 3	32 x 22 x 3
	cm	81 x 56 x 7	81 x 56 x 7
Temperature Range	Celsius	8°C + ambient to 60°C	Ambient -20°C to 60°C
Temperature Uniformity	Celsius	+/-0.5°C at 37°C	+/-0.5°C at 37°C
Platform Weight Capacity	lbs (kg)	45 (20)	45 (20)
Orbital-Shaking Range	RPM	30-400	30-400
Timer Functionality	Minutes	1-999	1-999
Over Temperature Protections	Yes/No	Yes	Yes
Temperature Alarm	Yes/No	Yes	Yes
Orbital-Shaking Speed Alarm	Yes/No	Yes	Yes

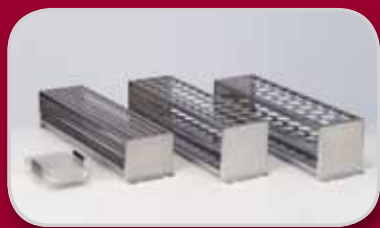
For a complete list of product specifications, call (800)322-4897 or visit the SHEL LAB website, [www.shellab.com](http://www.shellab.com)

## Full Selection of Accessories

The easily removable rotation platform is included with each SHEL LAB unit.



Flask holders and accessories can be arranged in several combinations on the platform according to what best suits your application.



## SHEL LAB Exclusive Features



Our unique lift out tray design with locking latch makes cleaning and loading easy.



A convenient, user adjustable counterbalance provides optimal load flexibility and compensates for off-center loads.

For more information about SHEL LAB products and Sheldon Mfg., Inc. visit us online at [www.shellab.com](http://www.shellab.com).

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All this at [www.shellab.com](http://www.shellab.com)



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